



ISIC INTERNATIONAL CONFERENCE

TRENDS ON CONSTRUCTION IN THE POST-DIGITAL ERA

GUIMARÃES, PORTUGAL - SEPTEMBER 6 TO 9, 2022

Mini-Symposium

Intelligent Construction and Automation – Challenges and emerging technologies

6th September 2022 . School of Architecture, Arts and Design, Auditorium 1

Chairs: P. J. S. Cruz, C. Louter, M. Popescu and B. Figueiredo

10.15 – 10.30	Reception and introduction to the Mini-Symposium
10.30 – 10.55	Individualized standardization in the context of intelligent construction and automation <i>J. Albus, K. Hollmann-Schröter</i>
10.55 – 11.20	Auto(mated)nonous Assembly <i>O. Tessmann, Yuxi Liu</i>
11.20 – 11.55	Digital Fabrication of Thin-glass composite elements <i>D. Pfarr, C. Louter</i>
11.55 – 12.20	Additive Manufactured (3D-Printed) Connections for Thermoplastic Facades <i>Ina Cheibas, Beril Önalán, Ena Lloret-Fritschi, Matthias Kohler, Fabio Gramazio</i>
12.20 – 12.45	Robotic On-Site Adaptive Thin-Layer Printing: Challenges and Workflow for Design and Fabrication of Bespoke Cementitious Plasterwork at Full Architectural Scale <i>S. E. Jenny, D. Mitterberger, E. Lloret-Fritschi, L. Vasey, E. Sounigo, Ping-Hsun Tsai, P. Aejmelaeus-Lindström, D. Jenny, F. Gramazio and M. Kohler</i>
12.45 – 14.00	<i>Lunch</i>
14.00 – 16.00	Visit to the laboratorial facilities in Construction, Manufacturing and Automation <i>Arena - Advanced Design & Technology</i> <i>DONE Lab - Advanced Manufacturing of Products and Tools</i>

Time slots of 25 minutes including 5 to 10 minutes for Q&A

Videoconference participation [link](#)

Location [Map link](#)

School of Architecture, Art and Design
University of Minho, Azurém, 4800-058 Guimarães

Contacts

bfigueiredo@eaad.uminho.pt

+351 919003496